| Notice of Allowability | Application No. | Applicant(s) | |
|--|--|--|------------------------------|
| | 10/825,719 | MO ET AL. | |
| | Examiner | Art Unit | |
| | Jaworski Francis J. | 3737 | |
| The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313 | (OR REMAINS) CLOSED in or other appropriate commu IGHTS. This application is s | this application. If not include include the included in the included included in the included included included in the included inc | ded e course. THIS |
| 1. This communication is responsive to <u>amdt,ids1-19-05</u> . | | | |
| 2. ☑ The allowed claim(s) is/are <u>1-36</u> . | | | |
| 3. $igotimes$ The drawings filed on <u>16 April 2004</u> are accepted by the Ex | xaminer. | | |
| 4. Acknowledgment is made of a claim for foreign priority una) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. | been received. been received in Application cuments have been received of this communication to file IENT of this application. | n No I in this national stage applic a reply complying with the re | equirements |
| A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give | | | NOTICE OF |
| 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") mus (a) ☐ including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the state of the property of the state of the sheet of the state of the stat | on's Patent Drawing Review . s Amendment / Comment or .84(c)) should be written on th | in the Office action of se drawings in the front (not th | ne back) of |
| DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT | | | Note the |
| Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 1-19-05 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material | 6. ☐ Interview St Paper No./ 7. ☑ Examiner's | formal Patent Application (PT ummary (PTO-413), Mail Date Amendment/Comment Statement of Reasons for Al | · |
| | | Francis J. Jawors (in Primary Examiner | • |

U.S. Patent and Trademark Office PTOL-37 (Rev. 1-04) Art Unit: 3737

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Susan Yee, Reg. No.41,388 on August 19, 2005.

The application has been amended as follows:

In Claim 2 line 1 "filtering is performed" has been deleted in favor of : -processor is configured for selecting said optimal high pass filter for performing
filtering –

In Claim 3 " a criterion for selecting " has been deleted in favor of — the processor is configured to select —

In Claim 4 " a criterion for selecting " has been deleted in favor of – the processor is configured to select –

In Claim 5 the language "a criterion for selecting "has been deleted in favor of the processor is configured to select --.

In Claim 6 "filtering is performed " has been deleted in favor of -- processor is configured for selecting said optimal high pass filter for performing filtering --.

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In each of claims 10, 11 and 12 " a criterion for selecting " has been deleted in favor of – the processor is further configured to select –, and thereafter the language " further comprises " has been deleted.

In each of claims 13 and 14 the language " is performed " has been deleted in favor of – high pass filter is configured to perform --.

In each of claims 33 and 34 in line 1 only, before "number "infinite has been changed to -- finite --.

The terminology "select an optimal high pass filter" in the base claims 1 and 9 is understood to be generic to both the configuration by selection of operational parameters of a filter as well as the selection of discrete filters as for example is claimed in claim 7.

The following is an examiner's statement of reasons for allowance: In addition to the art of record, Mo et al (US6296612) is directed to non-iterative wall filter coefficient selection based upon the mean and variance of the clutter frequency, and (US5961461) to adaptive high pass filter weighting for B-mode enhancement. Huebscher et al (US4324258) is directed to recursive loop filtering of clutter by substracting stationary or near stationary Doppler signals. None of the prior art alone or in combination teaches iterative determination of high pass clutter selection based upon magnitude and mean frequency of the ultrasound colorflow data signal or upon the recited filtered data autocorrelation relationship using the original colorflow data for the iterations..

Any comments considered necessary by applicant must be submitted no later

than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

Any inquiry concerning this communication should be directed to Jaworski

Francis J. at telephone number 571-272-4738.

Francis J. Jaworski Primary Examiner

FJJ:fjj

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